

ABSTRACT OF THE DISCLOSURE

The present invention relates to a method and apparatus for
5 correcting frequency offset of a local oscillator in a direct
sequence spread spectrum receiver such as UMTS. Received signals
comprise a plurality of sequential slots of data. At least one
of these includes synchronization data. A correlation is
performed between this received data and a locally stored
10 synchronization code. Subsequently, the received data is phase
adjusted and a further correlation performed between the phase
adjusted data and the locally stored synchronization code. The
strongest correlation peak is then determined and a phase offset
to be applied to the local oscillator is estimated from the phase
15 adjustment required to produce the strongest peak. This is
subsequently applied to the local oscillator.

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